Docket No. 05986/100M724-US1 Jones, et al. 1/22

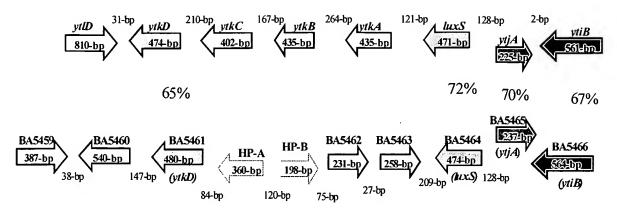
1	ATGCCATCAG	TAGAAAGCTT	TGAATTAGAT	CATACGATTG	TAAAGGCACC
51	TTATGTAAGA	CATTGCGGAG	TTCACAATGT	AGGTAGTGAC	GGTATTGTAA
101	ATAAATTCGA	TATTCGTTTT	TGCCAACCGA	ATAAACAAGC	AATGAAACCA
151	GATGTTATTC	ATACGTTAGA	ACATTTATTA	GCATTTAATT	TACGTAAATA
201	TATTGATCGT	TATCCACATT	TTGATATTAT	CGATATTTCA	CCAATGGGCT
251	GCCAAACAGG	ATACTACCTT	GTAGTAAGCG	GAACACCGAC	AGTTCGAGAA
301	ATCATTGATT	TATTAGAATT	AACATTAAAA	GATGCGGTTC	AAATTACAGA
351	AATTCCAGCT	GCAAATGAAA	CACAATGTGG	TCAAGCGAAG	CTTCACGATT
401	TAGAAGGAGC	AAAACGCTTA	ATGAACTTCT	GGTTAAGCCA	AGATAAAGAT
451	GAACTTGAGA	AAGTATTTGG	ATAA		

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1	MPSVESFELD	HTIVKAPYVR	HCGVHNVGSD	GIVNKFDIRF	40
41	CQPNKQAMKP	DVIHTLEHLL	AFNLRKYIDR	YPHFDIIDIS	80
81	PMGCQTGYYL	VVSGTPTVRE	IIDLLELTLK	DAVQITEIPA	120
121	ANETQCGQAK	LHDLEGAKRL	MNFWLSQDKD	ELEKVFG	157

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B. subtillis

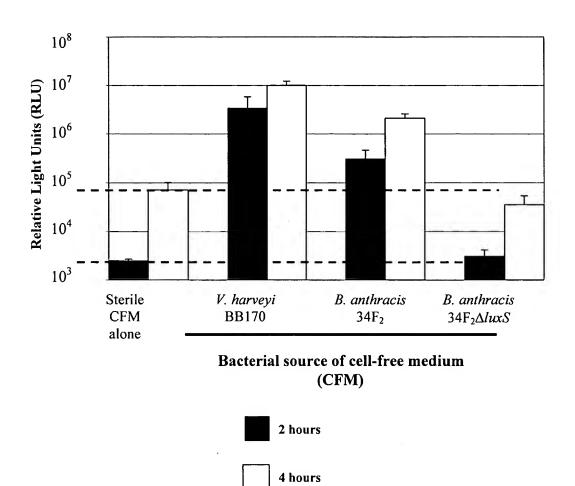


B. anthracis

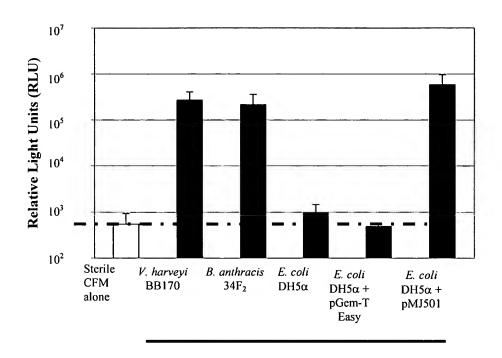
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	* * *	
E. coli	20 40 60 80 100 : HPLIDSTTOPHIR BARANS SAKT-HNIPHERALTYSD ASSC VENEROUS PROCESS FOR THE SERVICE OF THE SE	94
S. typhimurium	:HDLLDSPAUDHIRMOAPAVRAATIHITITAANITITATURE CVANTAMIPARCENTI EHLIPECPHROHESCHC-VELIDESPHCCETGFINSEECT :	94
Y. pestis	:HPL DESTUDENT LUKAPAVRIJAKT-HKTPHEDELTVPD LOC CVPNEBUNPERCONTERHAPAGFEROHLOGOG-VELTDUSPHECKTOFMESTAGET :	94
V. cholerae	:HPLIDSPTODENTINKAPAVRUAKT-HKTPHEBETTVFDLKSCVPNREVNPRKÖTHTBEHNPAGFIROHLUGDG-VBITDUSPHCCRTGFRUSHTGT : :HPLIDSPTODENTRUBARVRUAKT-HOTPKEBTTVVFDLKSTHPNBDIBSBRÖTHTBEHNPAGFARUHUGGSO-VBITDUSPHCCRTGFRUSHTGA :	94
V. harveyi	:หวับโดรราบอนที่ถึงเกลองพรีนี้ให้ก่-หฤายหรือเกราะหว่ายการกระบบ และเกราะหว่ายการกระบบ และการกระบบ เราะหว่า :หวุ่นโดราบอนที่เก็บสุดเกราะหว่า เกาะหรือเกราะหว่ายการกระบบ และการกระบบ และการกระบบ และการกระบบ และการกระบ	94
H. influenzae	:អច្ចុំ៤២៩೯០២០០០ បានមេលា បានក្នុងក្រុម បានក្នុងការប្រទេស បានក្នុងការប្រធានក្នុងការប្រជាជនក្នុងការប្រជាជនក :អច្ចុំ៤២៩೯៥២០០០ បានប្រជាជនការបានក្នុងការបានការបានការបានការបានការបានការបានការបានការបានការបានការបានការបាន	93
N. meningitidis	: HDLLDSERWOHURABAPANYAKI-HTTPKENTUTVEDLRSCVPMRRIEPRRCEHTTEHNFEGFAROHLUGNG-VETTDUSPROCPROHUSETET :	94
C. jejuni	: HPL DSFK-DHRK-PAPAVRIAKV-MKTPK-ROTSVFDLESCIPMEDIESEKCTHTE HLESCF ROHLDSNS-VETIDESPECCRTOFFINSTIDT :	94
B. anthracis	PSWESVEIDEWILDEWILDEWILDESDE-IWIKFD I SCOPHOGARRODVEHVIERIL SYNDERYIERPPERDIODISPROCORGYMWYSCT:	95
B. subtilis		95
B. halodurans	:Hetyesfeldhtinkappurpccthkuctne-evnmedirffornkoankpduentaehldelnnekfaraydheduidespiccotoffilisek :	95
S. aureus	:нткимурстиковий уран раз раз правод на пробрити на правод на правод на при на правод на на правод на на на	92
L. monocytogenes	: - HAEKHIMESYMLDHIKUKAPZURAGT-KUCUHEDETYKYDVESKOPMEEHMEHPARHSLEHUMGELASMHTD-KINDESPECCOTOREGYSTÄNH :	93
H. pylori	MKTPKHNNESINDDERKNEDIYANIADDE-KKGVNEDLITAKTAMINIKDENDHIDHIDHPSHISIBELIKAR TRENHAS-YIMDESINGADADIHTALITALAH	94
E. faecalis	:Harvesfeldhntokapyvrlact-eon-cdalvbkydldflopnedabptcabhtlehilsvngrdrikciidespeccrtofenteudo :	89
C. botulinum	:Йукурезгеноной карруксей-оксеней піткорых вормей виртсаў на пенцы доуў рекій мітой врусскаей парев	90
S. pyogenes	: -HIKIVI PERBITOHUINKADAAN IZR-ERCOKEN MILMADAELAODNON ZIRLYČHILIEHT PRTUBOLIDCHIDCRDACCBIOSHATEN :	93
S. peumoniae	: -HSKZVIVESFELDHÜLUKAPYVRÜCE-ETGPKÜNLISMYDIRLVQUNEDSUPTAĞÜHTIEHLLEKLÜETRÜĞGHIDCSPPDCRUGFUNLEVER	93
	4	
	* 120 140 160 180	
E. coli	- Drynows aller water in the control of the control	
S. typhimurium	POROR-ADAMKA MADIAKKOODOMOTOR LWYYD GETYOULSIAS ENODER HTUR RDÛRYN SINKRIAL DERKELOK LHI : 171	
Y. pestis	: POBOR BADAUKAANAD KIRKYODONOI PRLEVYOCCTYONESUS BAODI ARHITERD VRVÄSNKE PALPKEKLORLHI : 171 : POBOR BADAUKAANAD KIRKYODORKI PRLEBRY CCTYHNISTI SEROS KARDI BORD VRI NIHNBE BALPKEKLIRLHI : 171	
V. cholerae	: PTEQOTAQAULAANQOTTRUESQEQITELLERYTCGTAANSI REAKTINTAAGISVÄPNDETALPESHLNELKVH : 172	
V. harveyi	: PSBQQ BADAWIADWED FIRVENONKI PELERY CO TAAH BUD BAYOL KNIL BUCUAVIKNDE ALPESHLRELRID : 172	
H. influenzae	• ขึ้นทุกหลังหลุมเลงที่กับเรียงกฤกลง และเล้า yang sy 1 หลังแทก และ เล้า เกิด เรียงกับ เกิด เกิด เกิด เกิด เกิด เกิด เกิด เกิด	
N. meningitidis	: PSEOORADAWLASWODERWYKDOSKO PRLYSEYRCCTYONER ABBOOTRONYMARKVAVIKNREETIDECLLNA: 168	
C. jejuni	: PDEKSTAKAUBAAHKOTTSVSDOSKII BLGIYOCCTCAMIŞUDBAKOTAOKVENLGISIINNKE KLENA: 164	
B. anthracis	: PTVRENTDLLELTNEDAE0ITENDAARETNINGOAKLUDDRECKNINHUKUNSODEDELEKRIG: 157	
B. subtilis	: PTSABBUDLLEDGERABBETTEMBAABEKOODAKLEDERSUNDERFUNDSQDKEELLKAPG : 157	
B. halodurans	: giveshidvlegiekyshideewealskoogoobkiddightydbshekgislikhis : 158	
S. aureus	: DUYDDCLNIVEAT NOT HAN ACTEVIAC EVICOVAAS EN CONTROL OF DOWNER OF CICK : 156	
L. monocytogenes	: SDYDDALBIIATJUTDAAVATEVEACEEVACEEVACEVAASTÄURGAKADAEBPEAKRSEWKNAFCE: 155	
H. pylori	・ DNYTRITRUTRKTEODYJAKATRIADASSKKITEMAANIGIJRCEKDIJADAREDKDARHISRIJCU	
E. faecalis	: HSPOBIRDALVNYJVKATUTEVYBAVSAR CENYKOLELIARKIYÖKIYÜDQGISLÖPPERÜL: 152 : VEVDTIIBALNYSIYKAUETEEVYBATBAVACENYKDISLIPSAKEYRKHYBNQCISNEVPRZYQRAYRQYPYSKT2QFKYZT : 171	
C. botulinum	: VEVDT IBALNYS VKYTETEEV ATEAVACENYRD SIPSNEY KHY KHY BNQCTSNEVFRZYQRAYRQYPYSKTZQFKYZT : 171	
S. pyogenes	: HSSTDJAKVIKSŠTERĀGITURDVECTILESCONYKDEŠTVANKEU OLĪTOOCĪSDDPFSRHVĪ: 160	
S. peumoniae	: HTSAKŲ̃AAVIKOŠUKEŲ̃AETTTUEDVECTTIESCONYKOUŠUIPSDĶEUŲ̃ĶLIJERQCŽSDĎAFERHVŽ:: 160	

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Bacterial source of cell-free medium

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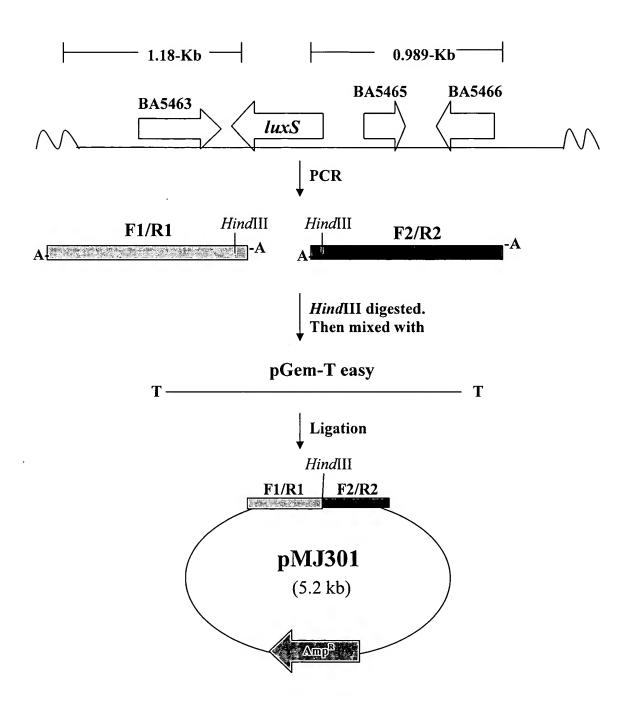


FIGURE 7A

Docket No. 05986/100M724-US1 Jones, et al. 8/22

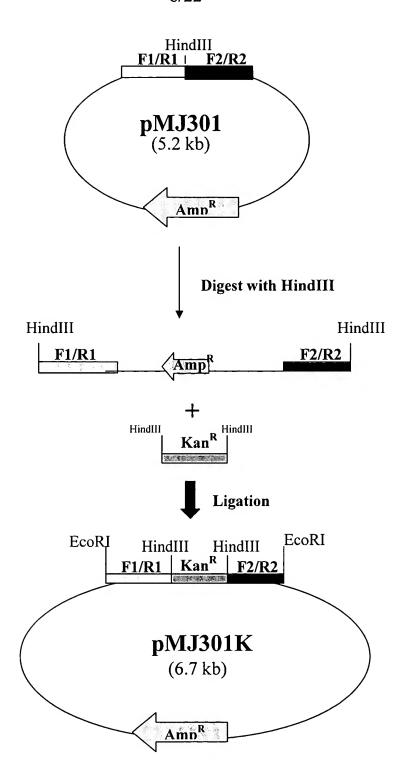
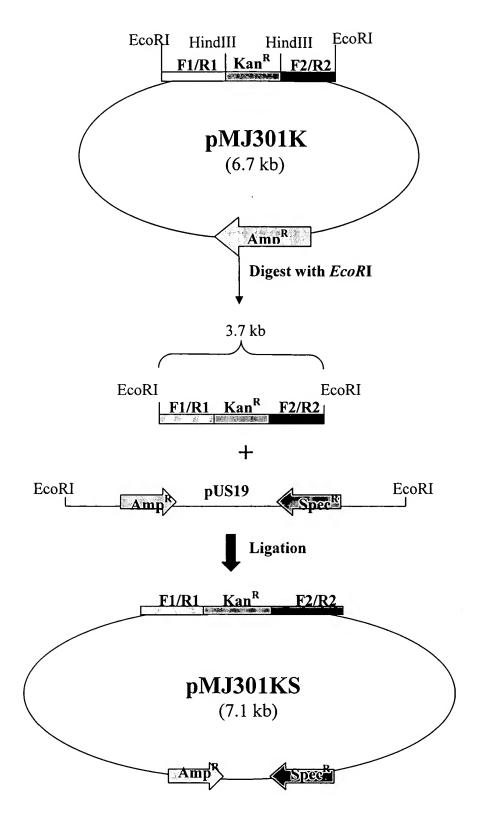


FIGURE 7B

Docket No. 05986/100M724-US1 Jones, et al. 9/22



Docket No. 05986/100M724-US1 Jones, et al. 10/22

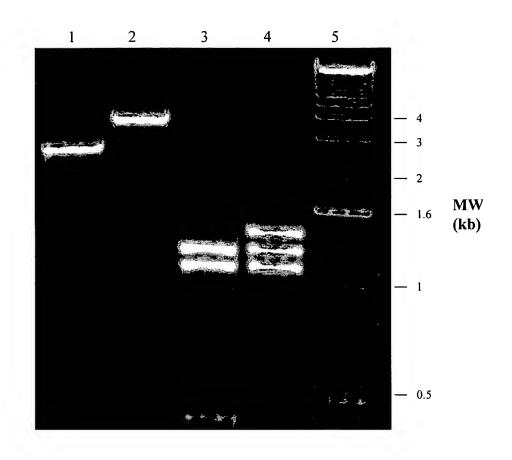


FIGURE 8

Docket No. 05986/100M724-US1 Jones, et al. 11/22

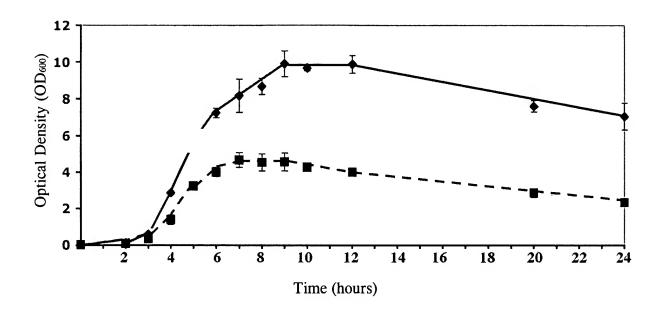
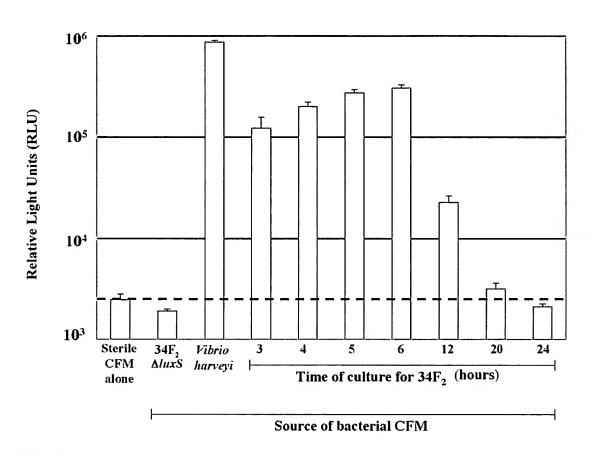


FIGURE 9



Docket No. 05986/100M724-US1 Jones, et al. 13/22

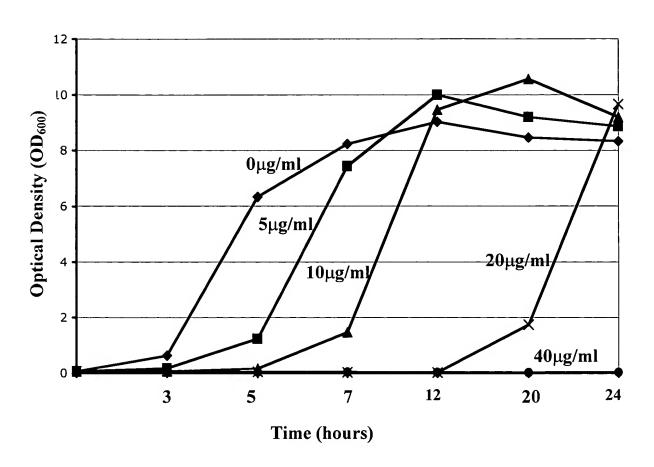


FIGURE 12

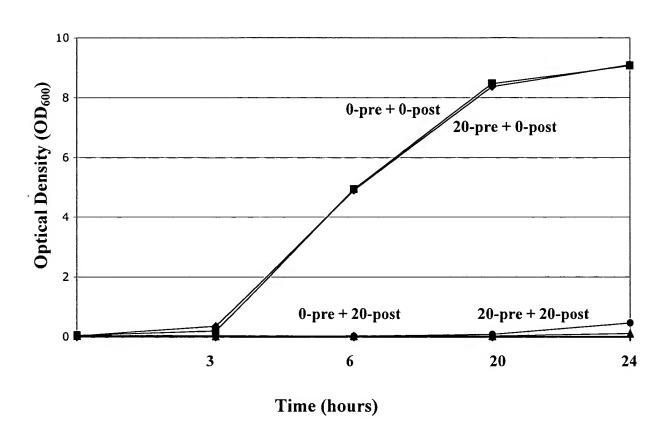


FIGURE 13

Docket No. 05986/100M724-US1 Jones, et al. 16/22

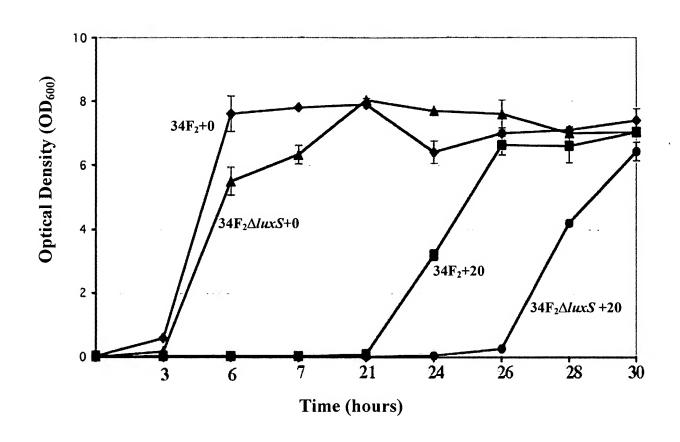


FIGURE 14

Docket No. 05986/100M724-US1 Jones, et al. 17/22

1	ATGCCTTCAG	TAGAAAGTTT	TGAGCTTGAT	CATAATGCGG	TTGTTGCTCC
51	ATATGTAAGA	CATTGCGGCG	TGCATAAAGT	GGGAACAGAC	GGCGTTGTAA
101	ATAAATTTGA	CATTCGTTTT	TGCCAGCCAA	ATAAACAGGC	GATGAAGCCT
151	GACACCATTC	ACACACTCGA	GCATTTGCTC	GCGTTTACGA	TTCGTTCTCA
201	CGCTGAGAAA	TACGATCATT	TTGATATCAT	TGATATTTCT	CCAATGGGCT
251	GCCAGACAGG	CTATTATCTA	GTTGTGAGCG	GAGAGCCGAC	ATCAGCGGAA
301	ATCGTTGATC	TGCTTGAAGA	CACAATGAAG	GAAGCGGTAG	AGATTACAGA
351	AATACCTGCT	GCGAATGAAA	AGCAGTGCGG	CCAAGCGAAG	CTTCATGATC
401	TGGAAGGCGC	TAAACGTTTA	ATGCGTTTCT	GGCTTTCACA	GGATAAAGAA
451	GAATTGCTAA	AAGTATTTGG	С		

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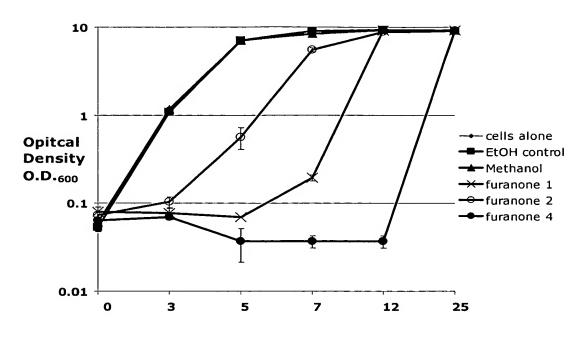
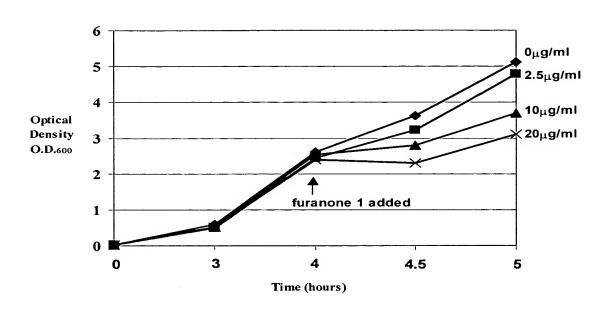


FIGURE 16

Docket No. 05986/100M724-US1 Jones, et al. 19/22



Docket No. 05986/100M724-US1 Jones, et al. 20/22

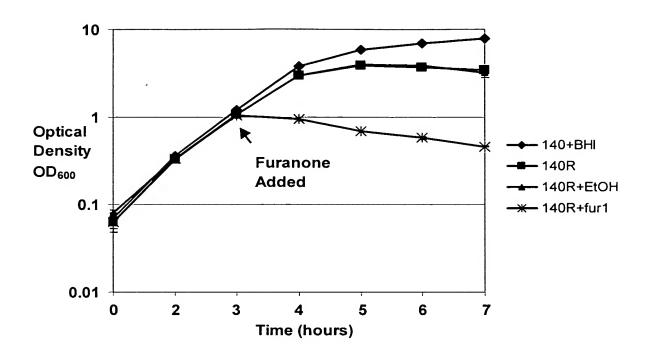


FIGURE 18A

Docket No. 05986/100M724-US1 Jones, et al. 21/22

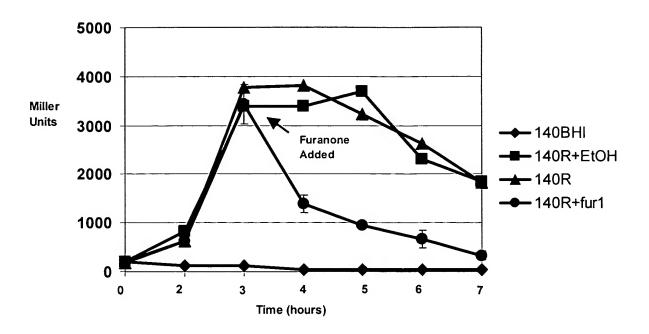


FIGURE 18B

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30 minutes post- exposure	2.5µg/ml 10µg/ml 20µg/ml	8.4	-5.1	-3.3	-2.4 -3.4 -2.4	-4.5		-2.6 -3.1 -2.8	-3.6		2.1	4.8 4.5 4.4	4.5
	20µg/ml	-1.62	-1.64	-1.84	-2.92	-2.95		-3.09	-3.49		5.41	80.9	2.90
15 minutes post- exposure	10µg/ml	-2.57	-1.99	-2.37	-5.03	-4.20		-4.60	-5.58		3.64	6.07	3.43
Genes down-regulated	Common Name	CTP synthase	S-layer protein Sap	immune inhibitor A metalloprotease	peptidase, M23/M37 family	hypothetical protein	cell division ABC transporter, permease protein	FtsX	conserved hypothetical protein	Genes up-regulated	germination protein gerN	conserved hypothetical protein	enoyl-(acyl-carrier-protein) reductase
	Locus	BA5583	BA0885	BA1295	BA1449	BA2918		BA5415	BA0796		BA1639	BA2239	BA1232

FIGURE 19